

1. A method comprising:

receiving a first series of frames that represents a first audio signal from a first source;

receiving a second series of frames that represents a second audio signal from a second source;

forming a third series of frames that represents a composite signal comprising at least one of said first audio signal and said second audio signal, wherein said composite signal is based on the location of said first source relative to the location of said second source; and

transmitting said third series of frames.

2. The method of claim 1 further comprising:

receiving a fourth series of frames that represents a third audio signal from a third source, wherein said fourth series of frames identifies said second source; and

forming a fifth series of frames that represents a composite signal comprising at least one of said first audio signal, said second audio signal, and said third audio signal, wherein said composite signal is based on the location of said first source relative to the location of said second source.

3. The method of claim 2 wherein said fourth series of frames is based on the voice activity of the user of said second source.

4. The method of claim 2 wherein said fourth series of frames is based on the user of said second source joining a conference call.

5. The method of claim 1 wherein said first source and said second source are wireless headsets that communicate in accordance with the Bluetooth protocol.

6. The method of claim 1 wherein the individual levels of said first audio signal and said second audio signal as represented in said third series of frames are adjustable remotely.

7. An apparatus comprising:

a network interface for:

- (1) receiving a first series of frames that represents a first audio signal from a first source;

(2) receiving a second series of frames that represents a second audio signal from a second source; and

(3) transmitting a third series of frames; and

a processor for forming said third series of frames that represents a composite signal comprising at least one of said first audio signal and said second audio signal, wherein said composite signal is based on the location of said first source relative to the location of said second source.

8. The apparatus of claim 7 wherein:

said network interface is also for receiving a fourth series of frames that represents a third audio signal wherein said fourth series of frames identifies said second source; and

said processor is also for forming a fifth series of frames that represents a composite signal comprising at least one of said first audio signal, said second audio signal, and said third audio signal, wherein said composite signal is based on the location of said first source relative to the location of said second source.

9. The apparatus of claim 8 wherein said fourth series of frames is based on the voice activity of the user of said second source.

10. The apparatus of claim 8 wherein said fourth series of frames is based on the user of said second source joining a conference call.

11. The apparatus of claim 7 wherein said first source and said second source are wireless headsets that communicate in accordance with the Bluetooth protocol.

12. The apparatus of claim 7 wherein the individual levels of said first audio signal and said second audio signal as represented in said third series of frames are adjustable remotely.

13. The apparatus of claim 7 further comprising an access point for interconnecting said first source with said network interface.

14. An apparatus comprising:

a mixer for:

(1) receiving a first series of frames that represents a first audio signal from a first terminal;

(2) receiving a second series of frames that represents a second audio signal from a second terminal;

- (3) forming a third series of frames that represents a composite signal comprising at least one of said first audio signal and said second audio signal, wherein said composite signal is based on the location of said first terminal relative to the location of said second terminal; and

- (4) transmitting said third series of frames;

said first terminal for:

- (1) transmitting said first series of frames; and

- (2) receiving said third series of frames; and

said second terminal for transmitting said second series of frames.

15. The apparatus of claim 14 wherein said mixer is also for:

- (5) receiving a fourth series of frames that represents a third audio signal; and

- (6) forming a fifth series of frames that represents a composite signal comprising at least one of said first audio signal, said second audio signal, and said third audio signal, wherein said composite signal is based on the location of said first terminal relative to the location of said second terminal and wherein said fourth series of frames identifies said the user of second terminal.

16. The apparatus of claim 15 wherein said fourth series of frames is based on the voice activity of the user of said second terminal.

17. The apparatus of claim 15 wherein said fourth series of frames is based on the user of said second terminal joining a conference call.

18. The apparatus of claim 14 wherein said first terminal and said second terminal are wireless headsets that communicate in accordance with the Bluetooth protocol.

19. The apparatus of claim 14 wherein the individual levels of said first audio signal and said second audio signal as represented in said third series of frames are adjustable remotely.

20. The apparatus of claim 14 further comprising a controller for providing information about conference call participants and about the participant who is speaking.